

**Community Involvement
at the Chillum Gasoline and
PERC Investigation Site:
A Resident's Perspective**

Community Involvement Background



- Site Make-up:
 - White-collar, educated community
 - Primarily African-American
 - Mixed demographics (Seniors/Retirees, Professional as well as Blue-collar workers)

Community Involvement Background



- Issues that divided the community:
 1. Each block had different concerns
 2. Legal representation
 3. Influence/disagreement associated with the local citizen's group



A Hotbed of Volatile Circumstances



- Conflicts with the state
- Presence of cross-jurisdictional contamination (Maryland into DC)
- Contentious relationship with the gasoline company where the spill originated



A Hotbed of Volatile Circumstances



- Issues of trust with EPA
- Technical complexity of two overlapping plumes (gasoline/PERC)
- Dual EPA program investigation (Waste and Chemical Management and Hazardous Site Cleanup Divisions)

A Hotbed of Volatile Circumstances



- Process Issues:
 1. Timely response to citizen's requests
 2. Misconception of Agency's authority
 3. Public meetings, availability sessions, and comment periods etc. were not always a requirement at the site

A Hotbed of Volatile Circumstances

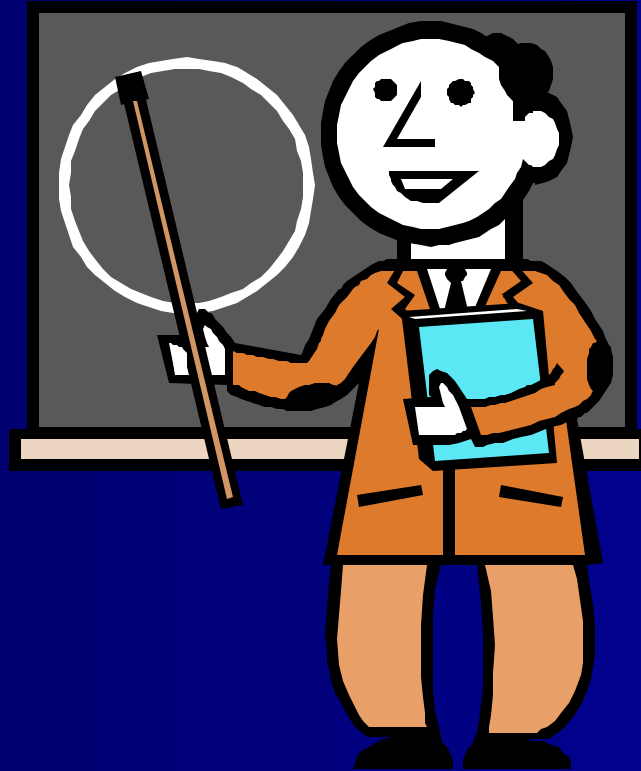


- Process Issues (con't):
 4. Issues with technical protocols and data review
 5. Wanted EPA to manage the State of MD
 6. Misunderstanding of the process

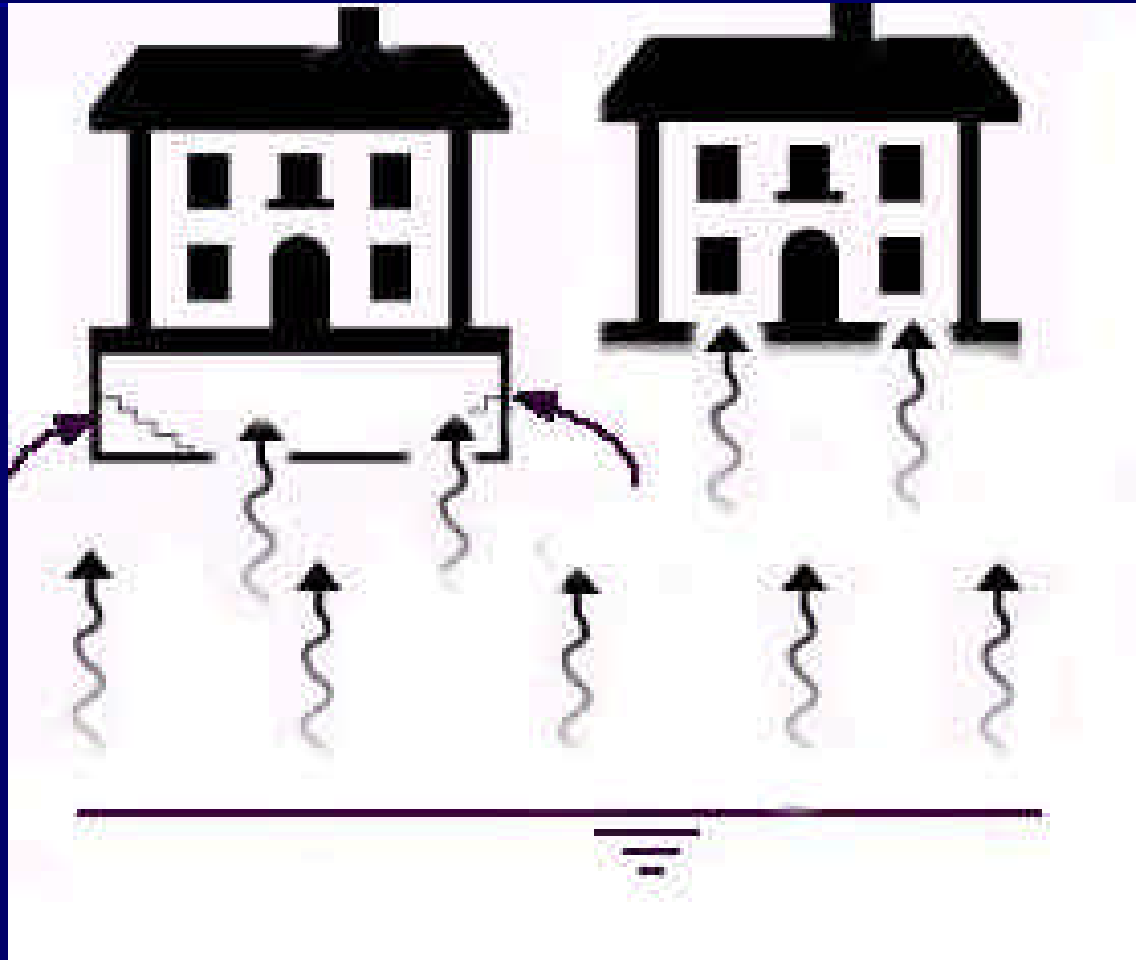
So Many Players are Involved!



Vapor Intrusion Overview



Health Concerns: *Vapor Intrusion*



Vapor Intrusion Screening

Dry Cleaning – Clothes, curtains, bed spreads

Carpets – new, professionally cleaned

Recent painting

Household cleaning products – Spray cleaners, solvents

Deodorizers

Hobby chemicals – thinners, glues, paints

Household chemicals – oils, solvents

Kerosene heaters

Oil heaters

Gasoline powered equipment

Gasoline cans

Car in attached garage

Smokers

Basement

Floor drain

Sump pump

Cracks in foundation

Gasoline Investigation

The Site



Gasoline Release Source



Mixed Gasoline/PERC Sources



The Site

22208

5801 Riggs Road
Chillum, Maryland

Legend

- Monitoring Well
- Groundwater and/or Soil Boring Location
- Dual-Phase Extraction Well
- Abandoned Dual-Phase Extraction Well
- Soil Vapor Extraction Well
- Abandoned Soil Vapor Extraction Well
- Soil Vapor Sample Location
- Soil Vapor Well
- Basement Sump
- Property Line
- Prince George's County/
Washington D.C. Boundary
- Former Chevron Facility No. 122208
Property Line
- Benzene 5 μ g/L (Geoprobe Data)
- MTBE 20 μ g/L (Geoprobe Data)
- Clay Body; Limits Dashed Where Inferred
- Sanitary Sewer Manhole
- Sanitary Sewer Pipe
- Storm Drain Manhole
- Storm Drain Pipe
- Topography Contours (2 foot intervals)

Date Prepared: June 21, 2004

0 60 120 180 240 300 Feet

Scale: 1" = 60'



Map Projection:
Maryland State Plane, North
American Datum 1983, Feet
Data Source:
Aerial Photo furnished by DC GIS



Gannett Fleming



TAGA Screening



Trace Atmospheric Gas Analyzer (TAGA)
Mobile Laboratory

Community Involvement

- Challenge in getting the message across.
- Very strong Community Group.
- Class action lawsuits and communications.